

AMENDMENTS TO THE ABSTRACT

Please replace the original abstract with the new abstract provided on the next page.

ABSTRACT

A safety stock amount calculation method includes calculating a probability P_b that a delivery time for a certain commodity required by a customer is shorter than its lead time L , calculating an average LL of a difference between the lead time L and the customer's required delivery time when the lead time L exceeds the customer's required delivery time, correcting an inventory adjustment period N by using the average value LL , and calculating a safety stock amount SS by the equations $SS = P_b \times k \times (\sqrt{N \times F}) \times \sigma$, wherein σ is a standard deviation of demand for the commodity, N is a corrected inventory adjustment period, P_b is a probability, F is a shipment frequency, and k is a safety coefficient.